

#### ABSTRACT OF THE DISCLOSURE

A physical quantity sensor for detecting physical quantity includes a substrate having an opening; a beam protruding in the opening of the substrate and supported on the substrate; and a fixed electrode supported on the substrate. The beam is movable in a vertical direction of the substrate so that the physical quantity in the vertical direction is detectable. The sensor can be minimized, and has excellent output characteristics. Further, a manufacturing cost of the sensor is small.